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... AS) in order to allow the client's life ... the final output format, using an appropriate XSL document. ... above mentioned parameters of the **adaptation** process (ie ...

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Client-Server Computing in Mobile Environments - all 16 versions »

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... We examine **characteristics** of mobility that distinguish ... enabler concepts for mobile **client-server** computing ... including mobile-aware **adaptation**, extended **client** ...

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Enabling New Speech Driven Services for Mobile Devices: An overview of the ETSI standards activities ... - all 7 versions »

D Pearce - AVIOS 2000: The Speech Applications Conference, 2000 - w3.org

... of protocols in the chain from the **client terminal** device to ... in the back-end, such as noise **adaptation** (eg PMC ... For full details see the DSR standard document [1 ...

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A multimedia communication architecture for handheld devices - all 2 versions »

J Meggers, ASB Park, A Fasbender, B Kreller - Personal, Indoor and Mobile Radio Communications, 1998. The ... , 1998 - ieeexplore.ieee.org

... The final version of MASE will deal with **adaptation** to varying degrees of ... at the Information Provider, multimedia content delivered to a mobile **client** has to ...

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Multimedia adaptation for dynamic environments - all 3 versions »

M Metso, A Koivisto, J Sauvola - Multimedia Signal Processing, 1998 IEEE Second Workshop on, 1998 - ieeexplore.ieee.org

... rapidly increasing research effort in **document** analysis [4 ... Media **adaptation** is guided

by specific Quality ... and reliability, and the **client-specific** capabilities ...

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Active multimedia documents for mobile services

OE Kia, JJ Sanvola - Multimedia Signal Processing, 1998 IEEE Second Workshop on, 1998 - ieeexplore.ieee.org

... represent **documents** efficiently and a **client-serve.r** ... Requirements for **adaptation** of end-to-end systems ... understanding approach by defining **document** content and ...

[Web Search](#)

Terminal Boxes with Insertion Strips: Advanced Planning of the Quality and Validation of the Design

J Hercules - Quality Engineering, 1996 - informaworld.com

... was assured by the tolerance study, a **document** in which ... technical specification Homologation by the **client** Field tests ... the design to review and **adaptation** as a ... [Web Search](#)

[A Scheme for Component Based Service Deployment - all 6 versions »](#)

S Rudkin, A Smith - Trends in Distributed Systems: Towards a Universal Service ..., 2000 - books.google.com

... 9. The Customer downloads the relevant **client** components from ... The simplest form of

adaptation will be to include ... A DOM (**Document** Object Model) tree is created ...

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[\[PDF\] AMTM—An Adaptive Multimedia Transport Model - all 8 versions »](#)

CY Liao, YC Shi, GY Xu - proceeding of SPIE International Symposia on Voice, Video ..., 2000 - cs.umd.edu

... the other hand, the separation of Transport **Adaptation** Layer from ... or in the proxy, even in the **client** side. ... meta information of a given compound **document** as we ...

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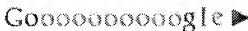
[BSCW for disabled teleworkers: usability evaluation and interface adaptation of an internet-based ... - all 4 versions »](#)

M Pieper, D Hermsdorf - Computer Networks and ISDN Systems, 1997 - Elsevier

... to do so) with an unmodified WWW **client** on any ... became obvious that some of the mentioned

adaptations can not ... does not allow to mark text in an HTML **document**. ...

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[Personal Service Environment: Analysis and Research Issues](#)

 M van Bekkum, ME Bijlsma, H van Kranenburg, MM ... - Telematica Instituut, Enschede, December, 2000 - [doc.telfin.nl](#)

 ... The **document** ends with a chapter with overall ... in controlling services (eg dynamical QoS **adaptation**, near real time ... tracking technology (at the **client** side) is ...

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[UMTS: a middleware architecture and mobile API approach - all 3 versions »](#)

 B Kreller, ASB Park, J Meggers, G Forsgren, E ... - IEEE Personal Communications, 1998 - [camars.kaist.ac.kr](#)

 ... Other rea- sons for **adaptation** can arise, for ... the maximal time the mobile **client** wants to ... concerning multimedia e-mail, multimedia **documents**, and distributed ...

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[MPEG-4 Systems: Overview - all 15 versions »](#)

 O Avaro, A Eleftheriadis, C Herpel, G Rajan, L ... - Multimedia Systems, Standards, and Networks, 2000 - [books.google.com](#)

 ... provided the scene description and **client-side** interaction ... sync layer was previously named the **adaptation** layer. ... level in the MPEG-4 require- ments **document**. ...

 Cited by 73 - [Related Articles](#) - [Web Search](#)

[Service Architecture - all 3 versions »](#)

 TC Baseline - Version, 1997 - [tinac.com](#)

 ... of Service Architecture part of the **document**. ... a TINA system and used for identifying **terminal characteristics**. ... required software in the **client** equipment, etc. ...

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[Location-aware mobile applications based on directory services - all 9 versions »](#)

H Maass - Mobile Networks and Applications, 1998 - Springer

... function allows to retrieve user and **terminal characteristics** to perform application **adaptation** accord- ing ... the near future all their **client** and server ...

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[Open mobility management platform with directory-based architecture and signalling protocols](#)

H Maass - Open Architectures and Network Programming, 1998 IEEE, 1998 -
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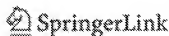
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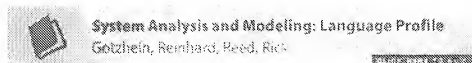
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Journal	Mobile Networks and Applications
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DOI	10.1023/A:1019168514184
Pages	157-173
Subject Collection	Computer Science
SpringerLink Date	Sunday, October 31, 2004

PDF (386.2 KB) HTML

**Henning Maass¹**

(1) Philips Research Laboratories, 52066 Aachen, Germany

Abstract Location-aware applications are becoming increasingly attractive due to the widespread dissemination of wireless networks and the emergence of small and cheap locating technologies. We developed a location information server that simplifies and speeds up the development of these applications by offering a set of generic location retrieval and notification services to the application. The data model and the access protocols of these services are based on the X.500 directory service and the lightweight directory access protocol LDAP since these are becoming the standard attribute-value-pair retrieval mechanisms for Internet and Intranet environments. This approach establishes a smooth migration path from conventional to location-aware applications. The paper presents the location information server concepts, defines its directory data model and access services, and discusses the implementation options of the location information server.

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Maass, H.
Philips Res. Lab., Aachen;

This paper appears in: **Open Architectures and Network Programming, 1998 IEEE**

Publication Date: 3-4 Apr 1998

On page(s): 72-87

Meeting Date: 04/03/1998 - 04/04/1998

Location: San Francisco, CA, USA

ISBN: 0-7803-4783-8

References Cited: 27

INSPEC Accession Number: 5907502

Digital Object Identifier: 10.1109/OPNARC.1998.662045

Posted online: 2002-08-06 21:35:48.0

Abstract

The introduction of user and terminal mobility into private communication networks requires mobility management services. They handle the dynamic locations of mobile users and the allocation of personal service profiles. The author is developing an open mobility management platform which contains a set of support functions and APIs on which mobility management services can perform. The platform performs location and profile handling based on distributed X.500 directory services and the required mobility management signalling protocols based on X.500 and LDAP protocols. Additionally, the platform offers three mobility abstraction levels that he uses to build multimedia applications. He developed a multi-master replication protocol for the director platform to fulfil the demanding performance and availability requirements of corporate network management services built on this platform can be easily customised to changing and evolving requirements and the platform functionality can be extended due to the generic directory service approach.

Index Terms

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access protocols application program interfaces mobile communication multi-communication open systems personal communication networks telecommunication computing telecommunication signalling

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APIs LDAP directory access protocols X.500 directory access protocols availability requirements corporate networks directory servers directory-based architecture distributed X.500 directory services dynamic location handling location-aware application building mobile multimedia application building mobility abstraction master replication protocol open mobility management platform performance personal service profile allocation private communication networks profile handling signalling protocols support functions terminal mobility user mobility

Author Keywords

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K Froese - Master's thesis, Dept. of Computer Science, University of ..., 1997 - citeseer.ist.psu.edu

... issues related to managing a mobile client's file ... Goyal (2000) (Correct) Related documents from co ... 81 A programming interface for application-aware adaptation in ...

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JIN JING, AS HELAL, A ELMAGARMID - ACM Computing Surveys, 1999 - portal.acm.org

... Systems General Terms: Algorithms, Design Additional Key Words and Phrases: Application

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S Chandra - 2000 - citeseer.ist.psu.edu

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A Mahanti - Master's thesis, Department of Computer Science, University ..., 1999 - citeseer.ist.psu.edu

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[Modeling of time and document aging for request prediction—one step further - all 17 versions »](#)

EG Haffner, U Roth, T Engel, C Meinel - Proceedings of the 2000 ACM symposium on Applied computing- ..., 2000 - portal.acm.org

 ... Prediction on server-side or client-side - carefully app ... 2.2.2 **Adaptation** of the prediction algorithm To ... row and column represents an available document on the ...

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[Adaptive Replicated Web Documents - all 8 versions »](#)

G Pierre, I Kuz, M van Steen - 2000 - cs.vu.nl

 ... traditional Web proxying, using it at client sites would ... **Adaptation** comes at a cost that we consider ... the benefits of using per-document replication strategies. ...

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[OceanStore: an architecture for global-scale persistent storage - all 101 versions »](#)

J Kubiatowicz, W Weimer, C Wells, B Zhao, D Bindel ... - ACM SIGPLAN Notices, 2000 - portal.acm.org

 ... in selecting policies for replication, availability, **caching**, and mi ... that it does

not have the **document** locally, (4a ... than an entity that the **client** might have ...
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T Palpanas - 2000 - [csri.toronto.edu](#)

... allows a **client** to make several requests in a short ... The remainder of this **document** is organized as follows. ... The problem of **predictive caching** emerges also in ...

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[Improving the Effectiveness of Web Caching](#) - all 3 versions »

JM Menaud, V Issarny, M Banatre - Advances in Distributed Systems: Advanced Distributed ..., 2000 - [books.google.com](#)

... **Predictive** prefetching consists of anticipating the **client** requests so as to prefetch a **document** on the WEB server before the **client** actually ...

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... by the traces, text editing and **document** preparation, is ... The **adaptation** of le system support techniques for ... le consistency and ecient operation at the **client**. ...

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↑ ABSTRACT

Recent advances in wireless data networking and portable information appliances have engendered a new paradigm of computing, called mobile computing, in which users carrying portable devices have access to data and information services regardless of their physical location or movement behavior. In the meantime, research addressing information access in mobile environments has proliferated. In this survey, we provide a concrete framework and categorization of the various ways of supporting mobile client-server computing for information access. We examine characteristics of mobility that distinguish mobile client-server computing from its traditional counterpart. We provide a comprehensive analysis of new paradigms and enabler concepts for mobile client-server computing, including mobile-aware adaptation, extended client-server model, and mobile data access. A comparative and detailed review of major research prototypes for mobile information access is also presented.

↑ REFERENCES

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UM Borghoff, PY Chevalier, J Willamowski - Proc. Int. Conf. EuroMedia/WEBTEC, 1996 - www2-data.informatik.unibw-muenchen.de

 ... their content cannot be retrieved with usual **Web** search engines! ... a unified interface to both, raw html **documents** and on ... **ADAPTIVE REFINEMENT OF SEARCH PATTERNS** ...

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MP Gleizes, V Camps, P Glize - Fourth European Congress of Systems Science, 1999 - Irit.fr

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MP Gleizes, EA Alain Leger, P Glize - Intelligence in Services and Networks: Paving the Way for an ..., 1999 - books.google.com

 ... mediation through usage of collaborative **adaptive** society of ... to integrate them in the **web** pages: metatags (titles, authors, style, type of **document**). ...

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G Pierre, CK Liu - Proceedings of the 7th workshop on ACM SIGOPS European ..., 1996 -

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... Web caches allow the modification of documents, but don't ... integrate LaSCoW in the World-Wide Web environment ... Adaptive systems are able to react to environmental ...

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E Athanassiou, P Barrett, D Chirichescu, MP ... - Proceedings of the Third International Workshop on ..., 1999 - Springer

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Lay-up device for automatic positioning of a web of fibers on a mold - all 3 versions »

A Greffioz, P Tillement - US Patent 5,074,948, 1991 - Google Patents

... Shinnoetal 156/523 X FOREIGN PATENT DOCUMENTS 0204249 12 ... matic shaping of a web of

fibers equipped with ... employed as application mem- an adaptive function which ...

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PROCESS AND SYSTEM RELATED TO SOFTWARE PLATFORMS

PG RAVERDY, R LEA - WO Patent WO/1999/050,743, 1999 - wipo.org

... software run-time environment, application designers would be able to quickly develop distributed adaptive software, such as network or web software, without ...

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 ... **Client** Browser ... of visits to sites that will not be visited again ie long term **adaptation**.

...

 node weights are used in order to pre-fetch the **documents** that the ...

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Workshop on mobile computing systems and applications, December 1994: digest of proceedings - all 10 versions »

M Satyanarayanan - ACM SIGOPS Operating Systems Review, 1995 - portal.acm.org

 ... Any errors or omissions in this **document** are certainly ... The **client** hardware consists of infrared transceivers developed ... of end-to-end TCP **adaptation** in mobile ...

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JY Hui, E Karasan, J Li, J Zhang - Selected Areas in Communications, IEEE Journal on, 1996 - ieeexplore.ieee.org

 ... compatible with several popular Internet **document** retrieval protocols ... as a result of **client** feedback based ... trajectories that a proper modeling and **adaptation** ...

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Video optimized media streamer having communication nodes received digital data from storage node ... - all 3 versions »

WR Belknap, LW Fitchett, BF Stansbury - US Patent 5,603,058, 1997 - Google Patents

 ... Functional Specification Release 4.50, **Document** No. ... CONTROL ^r RAID BUFFER (VIDEO

CACHE a DISK INTER FA CE ... STREAM CONTROL COMMANDS (HIGH PRIORITY EXECUTION) ...

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AR Saxena, PS Wang - US Patent 5,805,821, 1998 - Google Patents
... Page 2 FOREIGN PATENT DOCUMENTS ... CONTROL RAID BUFFER (VIDEO
CACHE a DISK I NT ER FACE
SWITCH ... FIG. 2. STREAM CONTROL COMMANDS (HIGH PRIORITY
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... Functional Specification Release 4.50, **Document No. tion, pp. ... RAID BUFFER (VIDEO**
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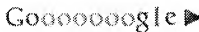
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V Issarny, M Banatre, B Charplot, JM Menaud - Advances in Distributed Systems: Advanced Distributed ..., 2000 - books.google.com
... shown in Figure 4. a, a hyper- **document** can be ... Existing algorithms for computing **client** and/or page groups ... led us to propose a second **adaptation** of associative ...

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Video media streamer

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